

# Caesar Chavez Middle School Water Sampling Lead Analysis Report

## 1. INTRODUCTION

## 1.1. GENERAL

This report presents the results of our water sampling performed at the site of Caesar Chavez Middle School, 6782 Goldsmith, Detroit MI., on July 29, 2016. The sample results taken in conjunction with this investigation are also presented on Appendix 1.

# 1.2. OBJECTIVES AND SCOPE

In general, the objectives of this investigation were to:

Accurately evaluate water outlets for lead above the EPA Maximum Contaminate Level (MCL).

## 1.3. AUTHORIZATION

Authorization was provided by phone for our Professional Services by John Diegel on July 21st, 2016.

## 2. SITE INVESTIGATIONS

## 2.1. FIELD PROGRAM

In order to sample and evaluate water, GSES took six samples, a First Draw sample and a Flush sample, from three different locations on the site.

The field portion of our investigation was under control and continual supervision of an experienced member of our field scientist staff.

## 2.2 LABORATORY TESTING

## **2.2.1.** General

In accordance with ASTM D3559 and the U.S. Environmental Protection Agency guidelines for lead in drinking water at schools and child care facilities, we took two samples: first draw and flush, which is the required testing standard for drinking water lead contamination.



Results of the tests indicate that the water is below the threshold for lead contamination. A copy of the lab report and Chain of Custody is attached (Appendix 1).

# 3. DISCUSSIONS AND RECOMMENDATIONS

# 3.1. DISCUSSIONS OF FINDINGS

The water results are below the threshold for lead contamination.

We appreciate the opportunity of providing this service for you. If you have any questions concerning this report or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,

Michael Etters Field Scientist

Monica Starks, CIEC

Principal

Council-certified Indoor Environmental Consultant Board-awarded by the American Council for Accredited Certification



Appendix 1, Lab Results, Chain of Custody



# APPENDIX 1 Laboratory Results and Chain of Custody

17800 Woodward Ave Suite 200 Detroit, MI 48203

# National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, MI, 48197-5166 (440) 449-2525, Fax: (440) 449-8585

## **ANALYTICAL REPORTS**

SAMPLE CODE: 358722 8/10/2016

Customer: G. S. Group

Monica Starks

17800 Woodward Ave #200

Detroit, MI 48203

Source:

Caesar Chavez, S-01-LF-01-P

Source City: Detroit

Source State: MI

Date/Time Received:

8/3/2016 14:00

Collected by:

A. Hayden

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Any 'Level Detected' marked with an asterisk (\*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards.

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF"

This column indicates the contaminant dilution factor.

Report Notes:

6782 Goldsmith

Fed Id # Contaminant	Method Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed	
Inorganic Analytes - Metals									
1030 Lead	200.8 0.015	mg/L	0.001	ND	1	7/29/2016 06:	45	8/8/2016	

These test results may be used for compliance purpose as required.

Analyst Tests JΡ 200.8

James Abston, Operations Manager

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# National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, MI, 48197-5166 (440) 449-2525, Fax: (440) 449-8585

# **ANALYTICAL REPORTS**

SAMPLE CODE: 358723 8/10/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave #200

Detroit, MI 48203

Source:

Caesar Chavez, S-01-LF-01-F

Source City: Detroit

Source State: MI

Date/Time Received:

8/3/2016 14:00

Collected by:

A. Hayden

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

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Report Notes:

6782 Goldsmith

Fed Id# Contaminant	Method Standard	Units LRL	Level Detected	DF Date/Time Sampled	Date Prepped	Date/Time Analyzed	
Inorganic Analytes - Metals							
1030 Lead	200.8 0.015	mg/L 0.001	ND	1 7/29/2016 06:	45	8/8/2016	

These test results may be used for compliance purpose as required.

Analyst Tests JP 200.8

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## **ANALYTICAL REPORTS**

SAMPLE CODE: 358718 8/10/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave #200

Detroit, MI 48203

Source:

Caesar Chavez, S-01-BF-02-P

Source City: Detroit Source State: MI

Date/Time Received:

8/3/2016 14:00

Collected by:

A. Hayden

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

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"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards.

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF"

This column indicates the contaminant dilution factor.

Report Notes:

6782 Goldsmith

Fed Id # Contaminant	Method Standard	Units LRL	Level Detected	DF Date/Time Sampled	Date Prepped	Date/Time Analyzed	
Inorganic Analytes - Metals  1030 Lead 200.8 0.015 mg/L 0.001 ND 1 7/29/2016 06:45 8/8/2016							
14-0	200.0 0.015	111g/L 0.001	NU	1 7/29/2016 06:4	5	8/8/2016	

These test results may be used for compliance purpose as required.

Analyst	Tests
JP	200.8

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### **ANALYTICAL REPORTS**

SAMPLE CODE: 358719 8/10/2016

Customer: G. S. Group

Monica Starks

17800 Woodward Ave #200

Detroit, MI 48203

Source:

Caesar Chavez, S-01-BF-02-F

Source City: Detroit

Source State: MI

Date/Time Received:

8/3/2016 14:00

Collected by:

A. Hayden

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

### Legend:

Any 'Level Detected' marked with an asterisk (\*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

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Secondary Standards.

"LRL"

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"DF" This column indicates the contaminant dilution factor.

Report Notes:

6782 Goldsmith

Fed Id # Contaminant	Method Standard	Units LF	Level Detected	DF Date/Time Sampled	Date Prepped	Date/Time Analyzed
Inorganic Analytes - Metals						
1030 Lead	200.8 0.015	mg/L 0.	001 ND	1 7/29/2016 06:4	5	8/8/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
JP	200.8

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### **ANALYTICAL REPORTS**

SAMPLE CODE: 358720 8/10/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave #200

Detroit, MI 48203

Source:

Caesar Chavez, S-02-GF-03-P

Source City: Detroit Source State: MI

Date/Time Received:

8/3/2016 14:00

Collected by:

A. Hayden

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

### Legend:

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"Standard"

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"LRL"

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"DF"

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Report Notes:

6782 Goldsmith

Fed Id # Contaminant	Method Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
1030 Lead	200.8 0.015	Inorga mg/L	nic Analy 0.001	/tes - Metals 0.011	1	7/29/2016 06:	45	8/8/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
JP	200.8

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### **ANALYTICAL REPORTS**

SAMPLE CODE: 358721 8/10/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave #200

Detroit, MI 48203

Source:

Caesar Chavez, S-02-GF-03-F

Source City: Detroit

Source State: MI

Date/Time Received:

8/3/2016 14:00

Collected by:

A. Hayden

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

### Legend:

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"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards.

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF"

This column indicates the contaminant dilution factor.

Report Notes:

6782 Goldsmith

Fed ld # Contaminant	Method Standard	Units LRL	Level Detected	DF Date/Time Sampled	Date Prepped	Date/Time Analyzed
Inorganic Analytes - Metals						
1030 Lead	200.8 0.015	mg/L 0.001	ND	1 7/29/2016 06:4	15	8/8/2016

These test results may be used for compliance purpose as required.

Analyst Tests
JP 200.8

James Abston, Operations Manager

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Page

1 of 1

358721

Lead Only

Date Printed: 8/10/2016 12:38:41 PM

Quality Water Analysis

1-800-458-3330

# General Compliance

Order Number: Order Date:

2077783 05/20/2016

358722

Sample Number:

Product:

Sample Paid: No

Lead Only **Payment Method:** 

TSR: EF

Sold To: G. S. Group

Monica Starks	for East-atory USE ONE!
17800 Woodward Ave	Lab Accounting Information:
Detroit MI 48203	Payment \$:
	Check #:
Date Sampled : 7 /29 / 16	Lab Comments/Special Instructions:
Time Sampled: 06 : 45  Please Use Military Time, e.g. 3:00pm = 15:00	
Check Time Zone: PEST CST MST PST  Client Name: CALSAY Chaves	
6782 Goldsmith	
Number: 313-909-8823	
PWS ID# (if applicable):	State Forms:
Sample ID or Source: S-0/- LF-0/-P	
Source Type: Spring Well Municipal Surface  Other:	Lab Sample Information: Date Received: 8/3/16
	Time Received: 14:00
City & State: Defroit H: (If Different than Above)	Received By: BF
iample Collected By: Caron Hajdyn (Signature)	Sample receipt criteria checked & acceptable.  Deviations from acceptable sample receipt criteria noted on PSA form.
ample Collected By: Aaron Hayoun (Please Mint)	
orm Completed By: Hichal Etters	
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Quality Water Analysis

1-800-458-3330

Sold To

# General Compliance

Order Number: Order Date:

2077783 05/20/2016

358723

Sample Number:

Product:

Lead Only

Sample Paid: No

Payment Method:

TSR: EF

G. S. Group Monica Starks 17800 Woodward Ave Detroit	MI 48203	For Laboratory Use ONLY  Lab Accounting Information:  Payment \$:  Check #:
Check Time Zone, MEST CS	Please Use Military Time, e.g. 3:00pm = 15:00  ET MST PST  Clary B  Goldanik	Lab Comments/Special Instructions:
Other:  Otty & State: Defroit	Municipal Surface  Surface  Surface  Surface  Surface  Surface	Lab Sample Information:  Date Received: S / 3 / / 6  Time Received: J Y : 00  Received By: Sample receipt criteria checked & acceptable.  Deviations from acceptable sample receipt criteria noted on PSA form.
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Quality Water Analysis

1-800-458-3330

# General Compliance

Order Number: Order Date:

2077783 05/20/2016

358718

Sample Number:

Lead Only

**Payment Method:** 

Product: Sample Paid: No

TSR: EF

Sold To: G. S. Group

Monica Starks	Lab Accounting Information:
17800 Woodward Ave Detroit MI 48203	Payment \$:
MI 402U3	Check #:
Date Sampled : 7 /29 / 16	Lab Comments/Special Instructions:
Time Sampled: 06:45 Please Use Military Time, e.g. 3.00pm = 1	5.00
Check Time Zone: VEST CST NST PST	
Great Char. 3 6787. Goldsmill	
Number: 313-909-8823	
PWS ID# (if applicable):	State Forms:
Sample ID or Source: S-01 - 13F-02-P	
Source Type: Spring Well Municipal Surfa Other:	Date Received, D) 0 1/0
City & State: Botrot, Mi, (If Different than Aboye)	Time Received: 17:00  Received By: BF
Sample Collected By: Usuan dayses (Signature)	Sample receipt criteria checked & acceptable.  Deviations from acceptable sample receipt criteria noted on PSA form.
Sample Collected By: Haron Hayoun (Please Raint)	
Form Completed By: Michael Bitus	
He brother Sompled is a Sc First draw!	hool. This is Sample#2,

Quality Water Analysis

1-800-458-3330

# General Compliance

Order Number: Order Date:

2077783 05/20/2016

358719

Sample Number:

Lead Only **Payment Method:** 

Product: Sample Pald: No

TSR: EF

Sold To: G. S. Group

Monica Starks	
	Lab Accounting Information:
17800 Woodward Ave	
Detroit MI 48203	Payment \$:
	Check #:
Date Sampled: 27/16  Time Sampled: 06: 45  Please Use Military Time, e.g. 3.00pm = 15.00  Check Time Zone: DEST DEST DEST DEST DEST DEST DEST DEST	Lab Comments/Special Instructions:
Number: 3/3-909-8623  PWS ID# (if applicable):	State Forms:
Sample ID or Source: 5-01-BF-02-F	
Source Type: Spring Well Municipal Surface	Lab Sample Information: Date Received: 8/3//6
Other:	
Was Duby + Pl	Time Received: 17:00
City & State: HUMBET, TV.	Received By: BF
(If Different than Above)	
Sample Collected By: Clarge Haylen	Sample receipt criteria checked & acceptable.  Deviations from acceptable sample receipt criteria noted on PSA form.
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orm Completed By: Michael Black	
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Quality Water Analysis

1-800-458-3330

# General Compliance

Order Number: Order Date:

2077783 05/20/2016

358720

Sample Number:

Lead Only

Product:

Sample Paid: No **Payment Method:** 

TSR: EF

Sok	d To:		
G, S	S. Gro	ир	
Mon	ica St	arks	
200			rd Ave
Detr			

Monica Starks	For Laboratory Use ONLY	
17800 Woodward Ave	Lab Accounting Information:	
Detroit MI 48203	Payment \$:	
	Check #:	
Date Sampled : 7 / 29 / 16	Lab Comments/Special Instructions:	
Time Sampled: 06: 45  Please Use Matery Time, e.g. 3.00pm = 15:00  Check Time Zone: DEST CST MST PST  Client Name: CaeSat Chaucz  G782 Goldswift  Sample ID or Source: S-02-0F-03-7	State Forms:  Lab Sample Information:	
iource Type: Spring Well Municipal Surface Other:	Date Received: 8/3/16	
City & State: Detroit Mis (If Different than Above)	Time Received: 14:00  Received By: BF  Sample receipt criteria checked & acceptable.	
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orm Completed By: Hickal Effers		
ditional Commients: The location Sampled is a School	this is Souple #3, First	

Quality Water Analysis

1-800-458-3330

# **General Compliance**

Order Number: Order Date:

2077783 05/20/2016

358721

Sample Number:

Lead Only

Sample Paid: No

Payment Method:

TSR: EF

Product:

G. S. Group Monica Starks		For Laboratory Use ONLY
17800 Woodward Ave		Lab Accounting Information:
Detroit	MI 48203	Payment \$:
		Check #:
Date Sampled : 7 29 //6		Lab Comments/Special Instructions:
Time Sampled: 06 . 45	Please Use Military Time, e.g. 3:00pm = 15:00	
Check Time Zone: PEST C		
	· Charcz	
6782	Coldsmite	
Number: 3/3-90	9-8823	
PWS ID# (if applicable):	N/B	State Forms:
sample ID or Source: 5-	02-BF-03-F	
ource Type: Spring Other:	Well Municipal Surface	Lab Sample Information: Date Received: 8/3/16
ity & State: Dolbron	, Mi.	Time Received: 14:00  Received By: BF
ample Collected By:	Different than Above)	Sample receipt criteria checked & acceptable.
impre conected by	(Signature)	Deviations from acceptable sample receipt criteria noted on PSA form.
imple Collected By:	aron Hayden	
orm Completed By:	(Please Print)	
ditional Comments: , (	1	
the Openian &	soughed was a Scho	of this 15 Soull #3
2118h Jonghi		